

Application No.: 09/597,160

Docket No.: 21994-00007-US

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A recording apparatus of an electronic watermark comprising:

means for detecting a first electronic watermark signal from original contents data inputted, wherein the first electronic watermark signal is scattered in a plurality of information units of the original contents data;

memory means for ~~temporarily~~ storing the first electronic watermark signal detected by said detecting means;

extracting means for extracting a part of the contents data from the original contents data, wherein the part of contents includes only a part of the first electronic watermark signal; and

inserting means for ~~recording~~inserting a second electronic watermark signal having a content that is equivalent to that of the first electronic watermark signal detected by said detecting means in the contents data extracted by said extracting means, and

outputting means for outputting the original contents data that is inserted with said second electronic watermark signal.

2. (Previously amended) The recording apparatus of an electronic watermark in accordance with claim 1, said recording apparatus further comprising:

deciding means for judging whether or not the second electronic watermark exists; and

switching means for switching an output in accordance with a result of judgment by said deciding means.

3. (Previously amended) The recording apparatus of an electronic watermark in accordance with claim 2, said recording apparatus further comprising MPEG encoder means, MPEG decoder means and another inserting means for receiving an intra-coded

Application No.: 09/597,160

Docket No.: 21994-00007-US

picture location signal from the MPEG encoder means, wherein said inserting means records the first electronic watermark signal in case the original contents data is an intra-picture.

4. (Currently amended) A recording method of an electronic watermark comprising steps of:

detecting a first electronic watermark signal from original contents data inputted, wherein the first electronic watermark signal is scattered in a plurality of information units of the original contents data;

~~temporarily~~ storing the first electronic watermark signal detected in said step of detecting;

extracting a part of contents data from the original contents data, wherein the part of contents includes only a part of the first electronic watermark signal; ~~and~~

inserting a second electronic watermark signal, having a content that is equivalent to that of the first electronic watermark signal, into the contents data extracted in said step of extracting, and

outputting the original contents data that is inserted with said second electronic watermark signal.

5. (Currently Amended) A recording apparatus of an electronic watermark comprising:

detecting means for detecting a first electronic watermark signal from original contents data inputted, wherein the first electronic watermark signal is intermittently recorded during every interval of a plurality of information units of the original contents data;

memory means for ~~temporarily~~ storing the first electronic watermark signal detected by said detecting means;

Application No.: 09/597,160

Docket No.: 21994-00007-US

extracting means for extracting a part of the contents data from the original contents data, wherein the part of contents excludes the first electronic watermark signal;  
and

inserting means for ~~recording~~inserting a second electronic watermark signal having a content that is equivalent to that of the first electronic watermark signal detected by said detecting means in the contents data extracted by said extracting means, and

outputting means for outputting the original contents data that is inserted with said second electronic watermark signal.

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6. (Previously added) The recording apparatus of an electronic watermark in accordance with claim 5, said recording apparatus further comprising:

deciding means for judging whether or not the second electronic watermark exists;  
and

switching means for switching an output in accordance with a result of judgment by said deciding means.

7. (Previously added) The recording apparatus of an electronic watermark in accordance with claim 6, said recording apparatus further comprising MPEG encoder means, MPEG decoder means and another inserting means for receiving an intra-coded picture location signal from the MPEG encoder means, wherein said inserting means records the first electronic watermark signal in case the original contents data is an intra-picture.

8. (Currently amended) A recording method of an electronic watermark comprising steps of:

detecting a first electronic watermark signal from original contents data inputted, wherein the first electronic watermark signal is recorded during every interval of a plurality of information units of the original contents data;

Application No.: 09/597,160

Docket No.: 21994-00007-US

~~temporarily~~ storing the first electronic watermark signal detected in said step of detecting;

B1 extracting a part of the contents data from the original contents data, wherein the part of contents data excludes the first electronic watermark signal; and

inserting a second electronic watermark signal, having a content that is equivalent to that of the first electronic watermark signal, into the contents data extracted in said step of extracting, and

outputting the original contents data that is inserted with said second electronic watermark signal.

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